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What is claimed is:

- A device for feeding particulate material, comprising:
 a conveyor belt that conveys the material in a forward longitudinal direction;
- a material inlet located above at least a first portion of the conveyor belt; and
 - a movable plate located above at least a second portion of the conveyor belt, that provides a force on the particulate material.
- A device according to claim 1, wherein the plate is mounted for pivotal movement.
 - A device according to claim 1, further comprising a hinge that supports the plate for pivotal movement.

 A device according to claim 1, further comprising a power actuator that moves the plate.

- A device according to claim 4, wherein the power actuator is an
 air cylinder.
 - A device according to claim 4, further comprising a controller that controls the force applied by the plate.

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- A device according to claim 1, further comprising a controller that controls the position of the plate.
- A device according to claim 1, wherein the plate is mounted for
 movement to a first position at which the plate substantially prevents movement
 of coal in the longitudinal direction.
 - A device according to claim 1, further comprising a pair of side skirts extending substantially along at least a portion of the length of the conveyor.
 - 10. A device according to claim 9, further comprising a rear end skirt that extends across the width of the belt located in a rearward direction from the material inlet.

11. A device for feeding particulate material, comprising: means for conveying the material in a first longitudinal direction; and

- means for urging a movable plate against the material to apply a

 20 force against the material in a direction other than the first longitudinal direction.
 - A device according to claim 11, further comprising means for supporting the plate for pivotal movement.
- 25 13. A device according to claim 11, further comprising a power

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actuating means for moving the plate.

- A device according to claim 13, further comprising means for controlling the force applied by the plate.
- A device according to claim 13, further comprising means for controlling the position of the plate.
- 16. A method for feeding particulate material, comprising: conveying the material in a first longitudinal direction; and urging a movable plate against the material to apply a force against the material in a direction other than the first longitudinal direction.
- A method according to claim 16, further comprising the step of
 supporting the plate for pivotal movement.
 - 18. A method according to claim 16, further comprising the step of moving the plate by a power actuator.
- 20 19. A method according to claim 16, further comprising the step of controlling the force applied by the plate.
 - A method according to claim 16, further comprising the step of controlling the position of the plate.